Gas Dynamic Principles of Interior Ballistics (Cont.)

Card 6/10

Gas Dynamic Principles of Interior Ballistics (Cont.)

Card 7/10

Gas Dynamic Principles of Interior Ballistics (Cont.)

Card 8/10

Gas Dynamic Principles of Interior Ballistics (Cont.)

Card 9/10

Gas Dynamic Principles of Interior Ballistics (Cont.)

AVAILABLE: Library of Congress

Card 10/10

BK/lsb
27 May 1958

ORLOV, Boris Viktorovich, doktor tekhn. nauk, prof.; MAZING, Georgiy Yur'yevich, kand. tekhn. nauk, dots.; PANICHKIN, I.A., doktor tekhn. nauk, retsenzent; SHELUKHIN, G.G., doktor tekhn. nauk, retsenzent; GOROKHOV, M.S., doktor tekhn. nauk, retsenzent; KOTEL'NIKOV, A.V., kand. tekhn. nauk, red.

[Thermodynamic and ballistic bases for the design of solid-propellant rocket engines] Termodinamicheskie i ballisticheskie osnovy proektirovaniia raketnykh dvigatelei na tverdom toplive. Moskva, Mashinostroenie, 1964. 406 p. (MIRA 17:11)

S/141/62/005/002/025/025
E073/E535

3,1720

AUTHORS: Gorokhov, N.A., Dryagin, Yu.A. and Fedoseyev, L.I.

TITLE: Radio-radiation of the Sun at the wavelength $\lambda = 1.8$ mm

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v. 5, no. 2, 1962, 413

TEXT: The radiations were measured in July and August, 1960, near the El'brus Mountains 3030 m above sea level, by a radio telescope with a radiation-pattern width of 20'. The effective temperature of the Sun was determined at $5\,500 \pm 700$ °K. This compares with measurements at other wavelengths obtained by A.G. Kislyakov (Ref. 1 - Izv. vyssh. uch. zav. - Radiofizika, 4, 433, 1961), C. W. Tolbert and A.W. Straiton (Ref. 2 - Astrophys. J., 134, 91, 1961), as follows:

Card 1/2

ACC NR: AR6034101 SOURCE CODE: UR/0089/66/021/004/0295/0295

AUTHOR: Gorokhov, N. A.; Dolgov-Savel'yev, G. G.

ORG: none

TITLE: Microwave radiation of a quasistationary plasma

SOURCE: Atomnaya energiya, v. 21, no. 4, 1966, 295

TOPIC TAGS: plasma stability, microwave spectroscopy, millimeter wave, plasma discharge, plasma radiation

ABSTRACT: The authors used specially developed apparatus described by them elsewhere (Pribory i tekhnika eksperimenta No. 1, 126, 1966) to investigate the microwave radiation of a high temperature plasma in apparatus of the "Tokamak" type. They established as a result that such a plasma serves as a source of intense electromagentic radiation in the millimeter band. A characteristic feature of this radiation is that it has a sharply pronounced sporadic character and consists of individual bursts with intensities corresponding to a surface brightness of the pinch of the order of 10^{-3} W/sr-cm^2. This is more than five orders of magnitude larger than the bremsstrahlung of a plasma with parameters typical of the Tokamak apparatus (temperature 40 ev, density 10^{13} cm^{-3}, pinch diameter 30 cm). The spectrum of the generated radiation, obtained with a Fabry-Perot interferometer, is described. A study of the behavior of the microwave signal as a function of the discharge parameters has shown that the radiation exists only at those discharge stages in which the plasma formation is macroscopically stable. A correla-

Card 1/2

UDC: 533.9

ACC NR: AP6034101

tion was found between the start and termination of generation of the microwave radiation and the generation of x rays induced by bombardment of high energy quanta. Orig. art. has: 1 figure.

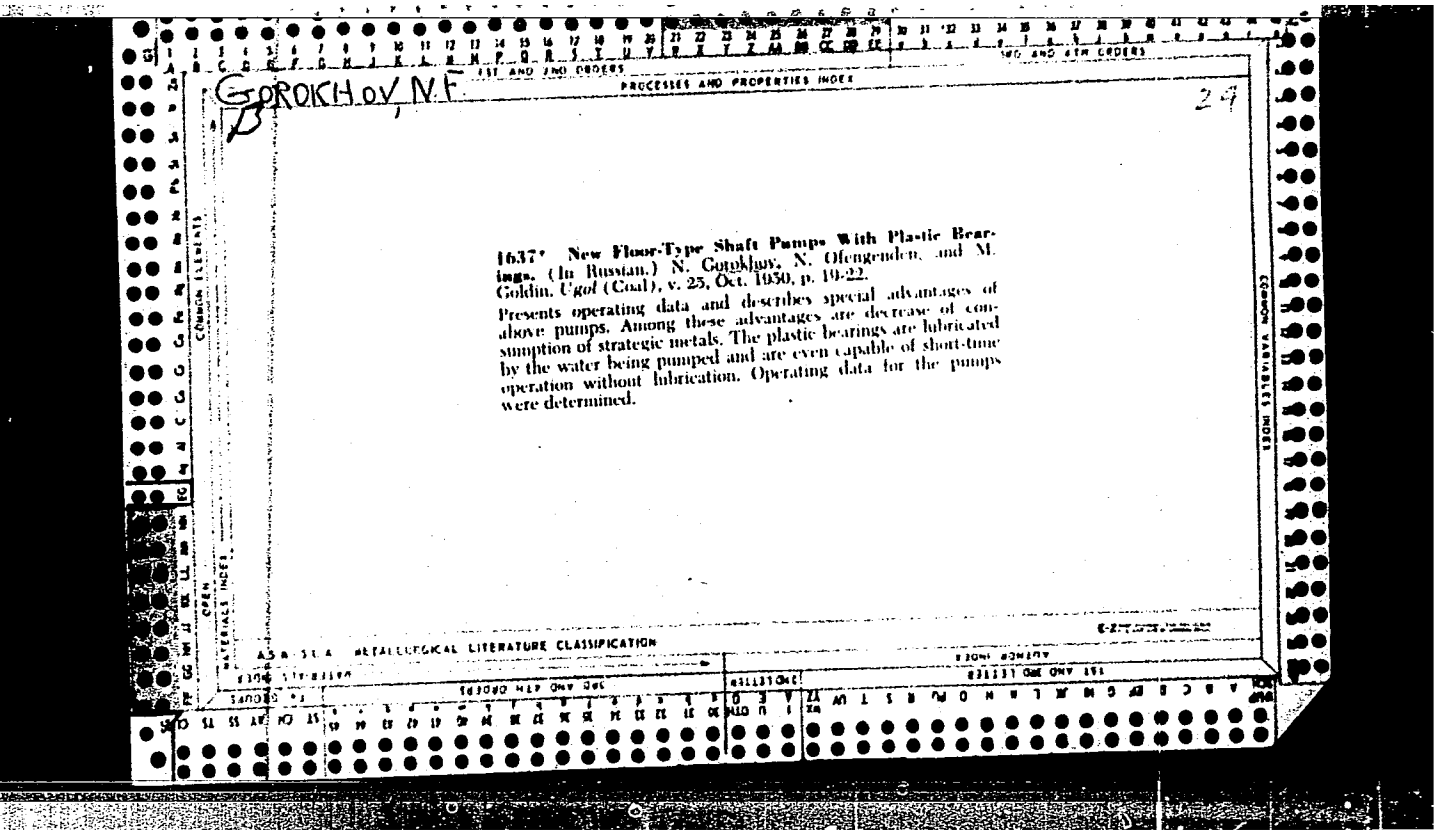
SUB CODE: 18, 20/ SUBM DATE: 12Apr66/ ORIG REF: 004/ OTH REF: 001

Card 2/2

VASIL'YEV, G.Ya.; SHVARTS, A.G.; SEROV, I.A.; MESROPOV, Yu.D.; Prinimali uchastiye: BARANOV, S.B.; BISEROVA, A.A.; GINZBURG, L.V.; GOROKHOV, N.D.; KARAPETYAN, D.A.; KEPERSHA, L.M.; MAMEDOVA, M.M.

Manufacture of diaphragms at the Baku tire factory. Kauch.i rez. 21 no.1:45-47 Ja '62. (MIRA 15:1)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti i Bakinskiy shinnyy zavod.
(Baku—Tires, Rubber)



GOROKHOV, N.F.

B

24

1637* New Floor-Type Shaft Pumps With Plastic Bearings. (In Russian.) N. Gorokhov, N. Ofengenden, and M. Goldin. *Ugol* (Coal), v. 25, Oct. 1950, p. 19-22.

Presents operating data and describes special advantages of above pumps. Among these advantages are decrease of consumption of strategic metals. The plastic bearings are lubricated by the water being pumped and are even capable of short-time operation without lubrication. Operating data for the pumps were determined.

1. BARMUT, M. I., GOROKHOV, N. F., YATSKIKH, V. G.

2. USSR (600)

4. Coal-Mining Machinery

7. Experience with continuous work schedules for combines UKMG-1 in very thin layers (0.38-0.6m). Ugol' 27, no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

GOROKHOV, N. F.

Cand Tech Sci - (diss) "Developing a number of high-economy mine centrifugal pumps." Moscow, 1961. 13 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Mining Inst imeni I. V. Stalin); 200 copies; free; (KL, 5-61 sup, 188)

VASIL'YEV, A.N., inzh.; GOROKHOV, N.G., inzh.; YUSHIN, P.V., inzh.

Production of 20KhGNR steel at the Kuznetsk Metallurgical Combine.
Stal' 23 no.12:1085-1086 D '63. (MIRA 17:2)

1. Kuznetskiy metallurgicheskiy kombinat.

L 44778-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c) JD

ACC NR: AP6013263 SOURCE CODE: UR/0413/66/000/008/0053/0053

97
13

INVENTOR: Gorokhov, N. I.; Nikandrov, I. L.

ORG: none

21

TITLE: Semiautomatic vacuum device for making selenium photocells. Class 21, No. 180715

14

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 53

TOPIC TAGS: photocell, selenium photocell

ABSTRACT: This Author Certificate introduces a semiautomatic vacuum device for making selenium photocells featuring a turning arrangement for moving the blank photocell in to a position with respect to the vaporization source. To improve the efficiency of the device and the uniformity of the layer applied to the photocell blank, the turning device is made as a drum consisting of a set of prisms whose rotation axes

Card 1/2 UDC. 621.383.42.002.5

Subject : USSR/Engineering AID P - 5041

Card 1/2 Pub. 103 - 12/22

Authors : Gorokhov, N. K. and N. V. Tsikurin

Title : On revision of forms for rating certificates (plates) of metal-cutting machines.

Periodical : Stan. i instr., 4, 36-38, Ap 1956

Abstract : Because of the need for better identification of the properties of more than 2,000 models of universal metal-cutting machines of foreign and domestic origin the authors present examples of desirable changes to be incorporated into the rating [plates] certificates of the machines for the benefit of designers and users. Particular attention is focused on the fast-wearing component parts of the machines and the sections changed after alteration, if any. Two samples of rating certificates with drawings of component parts.

Stan. i instr., 4, 36-38, Ap 1956 AID P - 5041

Card 2/2 Pub. 103 - 12/22

Institutions: Tools Scientific Research Institute of the Ministry for Building of Heavy Machinery (ORGTYAZHMASH) and the Institute for Organization of the Machine-tool and Instrument Industry (ORGSTANKINPROM).

Submitted : No date

GOROKHOV, N. K.

Subject : USSR/Engineering AID P - 5176

Card 1/1 Pub. 103 - 17/19

Author : Gorokhov, N. K.

Title : Special vernier-caliper to measure conic holes

Periodical : Stan. i instr., 6, 44-45, Je 1956

Abstract : A special vernier-caliper for simultaneous measuring of the conicity, conic angle, and the cone's large diameter is described and illustrated. One drawing and 1 table.

Institution : None

Submitted : No date

AUTHOR: Gorokhov, N.K., Engineer

28-1-22/42

TITLE: The Number of Slot Sizes Must Be Reduced (Sokratit' chisla razmerov shlitsevykh prorezey)

PERIODICAL: Standartizatsiya, # 1, Jan-Feb 1957, p 67 (USSR)

ABSTRACT: The author states that even standardized fasteners (e.g. screws) show an unduly high number of slot sizes. An analysis of these sizes and a check by inserting screwdrivers into the slots demonstrates that the number of sizes must be considerably reduced. This would also reduce the quantity of necessary cutting and measuring tools and improve the technology of cutting.

AVAILABLE: Library of Congress

Card 1/1

28-1-27/42

AUTHOR: Tsikurin, N.V., Candidate of Technical Sciences, Gorokhov, N.K., Engineer

TITLE: Repair Drawings (O remontnykh chertezhakh)

PERIODICAL: Standartizatsiya, # 1, Jan-Feb 1957, p 75 (USSR)

ABSTRACT: Repair drawings by the standard "ГОСТ 5298-50" are, as a rule, prepared by the chief mechanic's bureau of the plant which repairs the equipment. This is costly and impractical. In the author's opinion, repair drawings ought to be made by the same organizations which produce the original work drawings and should be supplied with the equipment. Presently, the technical documents for new equipment do not include drawings which would enable repair. For instance, only 6 drawings of rapidly wearing parts are supplied with the gear shaping machine of the Komsomolets plant. This also pertains to forging and woodworking machinery, construction and road-building machines, etc.

AVAILABLE: Library of Congress

Card 1/1

GoRoKhov, N.K.

AUTHOR: None Given 28-4-29/35

TITLE: Replies to Published Articles and Letters (Otvety na opublikovannyye stat'i i pis'ma)

PERIODICAL: Standartizatsiya, 1957, # 4, p 80 (USSR)

ABSTRACT: Information on the reaction to 4 articles published in "Standartizatsiya" 1957, # 1, is given.

1) To the article "On Standards for Methods of Measuring Density", by S.S.Kivilis. The Committee of Standards, Measures and Measuring Devices has said that amendments will soon be made in ГОСТ3900-47.

2) To the article "Inaccuracies in ГОСТ 5302-50", by A.F.Kovalenko, Chief Engineer of the All-Union Technological Project Institute (Vsesoyuznyy proektno-tekhnologicheskiy institut) Yeremin informs that the inaccuracies will be eliminated in the projected new standard.

3) To the article "On Repair Drawings", by N.V.Tsikurin and N.K.Gorokhov. The Leningrad branch of the All-Union

Card 1/2

Technological Project Institute agrees with the author and considers it practical that a corresponding special document be issued specifying the machinery for which such schematic repair diagrams would be obligatory (automobiles, tractors, motorcycles, engines, metal cutting machine tools, printing, textile and road construction machines, etc.). The form of this document should be drawn up by the Committee of Standards, Measures and Measuring Devices in collaboration with the Scientific Technical Committee of the Council of Ministers of the USSR.

4) To the article "Standards for Meat and Meat Products are to be Considered", by A.V. Nikolayeva (conditions in the meat industry and the quality of production). The article was discussed at the Ministry of Meat and Milk Products of USSR, and the critique was found to be just. Measures to improve the quality of products have been worked out with the participation of many specialists.

AVAILABLE: Library of Congress

Card 2/2

AUTHOR: Gorokhov, N.K., Engineer SOV/28-58-5-25/37

TITLE: Blueprints for Auxiliary and Basic Production (Chertezhi vspomogatel'nogo i osnovnogo proizvodstva)

PERIODICAL: Standartizatsiya, 1958, Nr 5, p 70 (USSR)

ABSTRACT: Working designs for auxiliary production should be drawn up in exactly the same way as the blueprints for basic production. The form of the documentation needed is listed for both complex and simple products. There is 1 table.

1. Drafting--Standards

Card 1/1

Gorokhov N. K.

25(0) SOV/117-59-5-27/30

AUTHORS: Tsikurin, N.V., Candidate of Techn. Sciences, and Gorokhov, N. K.

TITLE: On the Problem of Classification and Conventional Designations for Metal-Cutting Machine Tools

PERIODICAL: Mashinostroitel', 1959, Nr 5, pp 45-48 (USSR)

ABSTRACT: The authors refer to an article on this subject (A.V. Rumyantsev, "Mashinostroitel'", 1958, Nr 4) suggesting the basic principles, and point out that a new classification is badly needed, and that the Sovnarkhozes are developing their own designation systems for identical things, which will cause much difficulty. The position with the fasteners is particularly bad, which is illustrated by the example of 19 different designations for one and the same cylindrical-head of 4 mm diameter and 20 mm length (K-19, 1-52, A51062-5, 09-12, etc., including "VTsM4x20-2500244"). Apart from that, some plants have their own (different) names for the same fasteners. The authors suggested the basic classification principles before and repeat the essence of their system

Card 1/2

On the Problem of Classification and Conventional Designations for Metal-Cutting Machine Tools

illustrating the idea by designation tables for lathes and for lathe subassemblies and parts. There are 3 tables.

SOV/28-59-3-19/25

28(3)

AUTHORS: Tsikurin, N.V., Candidate of Technical Sciences, and Gorokhov, N.K., Engineer

TITLE: To Reduce the Nomenclature of Bolts (Sokratit' nomenklaturu boltov)

PERIODICAL: Standartizatsiya, 1959, Nr 3, p 54 (USSR)

ABSTRACT: The state standards for bolts ("GOST's 7784-57" to "7820-57") include 22 types and 9520 type-sizes of bolts. The subdivision by the surface finish into rough, finish and semi-finish grades is based on obsolete production technology (hot heading and cutting). The finish grades are further subdivided into groups of dimension tolerances. The authors think that the Nauchno-issledovatel'skiy institut metallicheskikh izdeliy, or NIIMETIZ, (Scientific Research Institute of Metal Products) ought to work out a new nomenclature of bolts for the machine building in-

Card 1/2

TRIFONOV, O.V.; GOROKHOV, N.K.

Breaking away of the stoppers. Metallurg 9 no.5:16-19 My '64.
(MIRA 17:8)

1. Kuznetskiy metallurgicheskiy kombinat.

GOROKHOV, N.K.

Improve the quality of standards for the machinery industry.
Standartizatsiia 28 no.7:42-43 Jl '64.
(MIRA 17:11)

GOROKHOV, N.N.

Comparison of some economic indices in the operation of shops for sulfur removal by potassium carbonates and soda potassium carbonate mixtures. Koks i khim. no.11:48-49 '63. (MIRA 16:12)

1. Yasinovskiy koksokhimicheskiy zavod.

14(5)

SOV/92-58-8-8/36

AUTHORS: Gorokhov, N.S., Foreman and Bykov, M.G., Engineer

TITLE: Experimental Hydraulic Fracturing of a Formation Performed by the Bugul'maneft' Petroleum Production Administration (Opyt gidravlicheskogo razryva plasta v NPU Bugul'maneft')

PERIODICAL: Neftyanik, 1958, Nr 8, pp 10-13 (USSR)

ABSTRACT: Hydraulic fracturing of a formation by a special crew attached to the department in charge of oil well overhauling. Before the hydraulic fracturing formation is begun, some preliminary work, such as additional flushing and perforation of the well, has to be completed. Moreover, a packer has to be lowered into the well through pressure pump tubes and has to be installed 7-10 m above the productive formation top; the hermetic sealing of the wellhead has to be checked. When all these operations are terminated, the special equipment shown in Fig. 1 is installed at the wellhead. Then pressure lines are tested once more to ascertain if they can stand a 300 atm pressure, valves are opened, and 15-20 cu m of crude oil or water are injected to fracture the formation.

Card 1/2

Experimental Hydraulic Fracturing (Cont.) 92-58-8-8/36

Sand is mixed with the fracturing fluid in a mixing tank and the percentage of sand in the mixture is controlled. Up to 5 tons of sand are gradually injected during this operation. The location of the formation ruptures is determined with the aid of the injected radioactive sand, activated coal or, other material saturated with isotopes. In Fig. 2 and 3 the author shows the gamma ray logging curves taken at two different wells after the operation. In Table 1 the author shows the results of hydraulic fracturing performed in 1957. Characteristics of the fracturing fluids are given in Table 2. The Bugul'maneft' Administration performed the hydraulic fracturing through the 6" pipe column under a high pressure (150-300 atm), but at a relatively low injection rate (880-1200 m^3 per day) as a precaution against a possible rupture of the casing pipes. This procedure offered a number of advantages. As a result of hydraulic fracturing, peformed at the Romashkino field in 12 input wells and 32 production wells, an additional 350 tons of crude oil are recovered every day. There are 3 figures and 2 tables.

ASSOCIATION: NPU Bugul'maneft' (The Bugul'maneft' Petroleum Production Administration)

Card 2/2

VASIL'YEV, Pavel Stepanovich; GOLIKOV, Andrey Dmitriyevich; GOROKHOV, Nikolay Stepanovich; KRIVONOSOV, Ivan Vasil'yevich; MURAV'YEV, V.M., red.; LAVROV, N.I., ved. red.

[Technology of interval hydraulic fracturing] Tekhnologiia pointerval'nogo gidravlicheskogo razryva plastov; opyt neftianikov Tatarii). Moskva, Izd-vo "Nedra," 1964. 131 p. (MIRA 17:6)

L 5295-66 EWT(1)/EWA(j)/EWA(b)-2 JK
ACC NR: AP5025009 SOURCE CODE: UR/0286/65/000/016/0068/0069

AUTHORS: Belozerov, B. A.; Gorokhov, N. Ya.; Chernousov, N. I.; Yakovlev, V. I.

ORG: none

TITLE: A device for aerogenic immunization of people and farm animals by dry powdered vaccines. Class 30, No. 173892

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 68-69

TOPIC TAGS: vaccine, immunization

ABSTRACT: This Author Certificate presents a device for aerogenic immunization of people and farm animals by dry powdered vaccines. The device contains a doser, a centrifugal rotary fan, and a remote control panel (see Fig. 1). To increase the accuracy and uniformity of dosing the amounts of the discharged dry vaccine, the device is provided with an immobile dosing disk and two rotary sector blades.

Card 1/2

UDC: 614.47-7:576.8.093.2

L 5295-66
ACC NR: AP5025009

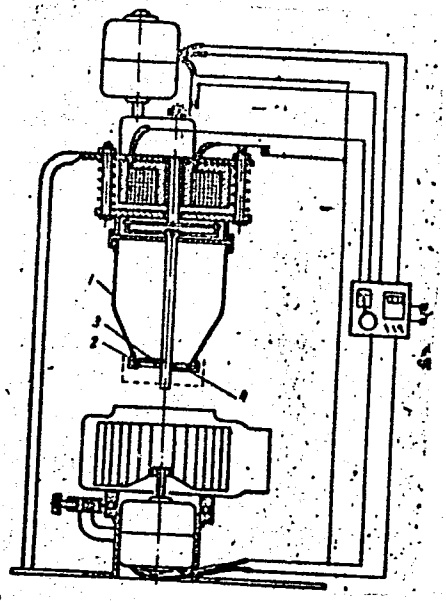


Fig. 1. 1- container; 2- immobile dosing disk; 3 and 4- rotary sector blades

Orig. art. has: 1 figure.
SUB CODE: LS/ SUBM DATE: 19Apr62/ ORIG REF: 000/ OTH REF: 000
Card 2/2

GOROKHOV, Pavel Alekseyevich; GUSAKOVSKAYA, O.N., red.; FEDOROVA, V.V., tekhn. red.

[The seven-year plan in operation] Semiletka v deistvii. Magadan, Magadanskoe knizhnoe izd-vo, 1960. 154 p. (MIRA 14:9)
(Magadan Province—Economic conditions)
(Magadan Province—Socialist competition)

GOROKHOV, P.D., podpolkovnik meditsinskoy sluzhby; RUDOY, Z.Kh., podpolkovnik meditsinskoy sluzhby

Use of fluorescing antibodies in the diagnosis of dysentery. Voen.-med.zhur. no.9:59-60 S '61. (MIRA 15:10)
(DYSENTERY--DIAGNOSIS) (ANTIGENS AND ANTIBODIES)

GOROKHOV, P. D. and RUDOY, Z. Kh.

"The Organization and Implementation of Bacteriological Measures for the Preventive Treatment of Intestinal Diseases Among the Troops".

Voyenno Meditsinskiy Zhurnal, No. 4, 1962

GORKHOV, Petr Kuz'mich; LEPESHINSKAYA, Ye.V., redaktor; TUMARKINA, N.A., tekhnicheskiy redaktor

[French-Russian radio engineering dictionary] Frantsuzsko-russkii radiotekhnicheskii slovar'. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 379 p. (MLRA 10:2)
(French language--Dictionaries--Russian)
(Radio--Dictionaries)

PENROSE, H.E.; BOULDING, R.S.H.; GOROKHOV, P.K., inzhener [translator]; SOLOVEYCHIK, F.S., inzhener [translator]; TIKHONOV, S.N., inzhener polkovnik, redaktor; SOKOLOVA, G.F., tekhnicheskiy redaktor

[Principles and practice of rada. Translated from the English] Printsipy i tekhnika radiolokatsii. Perevod s angliiskogo. Moskva, Voen. izd-vo Ministerstva obor. SSSR, 1956. 782 p. (MLRA 10:2)
(Radar)

6(6) PHASE I BOOK EXPLOITATION SOV/3263

Gorokhov, Pëtr Kuz'mich

Boris L'vovich Rozing; osnovopolozhnik elektronnogo televideniya (B.L. Rozing; the Founder of Cathode-ray Tube Television) Moscow, Gosenergoizdat, 1959. 63 p. 4,300 copies printed.

Ed.: V.I. Shamshur; Tech. Ed.: K.P. Voronin.

PURPOSE: The booklet is intended for the general reader.

COVERAGE: The author presents a short account of the life and activities of B.L. Rozing, who, according to the author, is considered the founder of cathode-ray tube television. The patents obtained by Rozing are listed and some of his works and inventions described. His works in the field of theoretical and experimental physics are only briefly treated. The author thanks Rozing's daughter, Mrs. L.B. Tvel'kmeyer, for her help in writing this booklet. There are 55 references: 41 Soviet, 6 English, 6 German and 2 French.

TABLE OF CONTENTS:

Card 1/2

B.L. Rozing (Cont.) SOV/3263

AVAILABLE: Library of Congress

Card 2/2

JP/jb
3-7-60

GINZBURG, M.L.; GOROKHOV, P.K.; GEYLER, L.B., prof., doktor tekhn.nauk; SHISHKIN, G.V.; [redacted], D.A., red.; GAVRILOV, S.S., tekhn.red.

[German-Russian electric engineering dictionary] Nemetsko-russkii elektrotekhnicheskii slovar'. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959. 1066 p. (MIRA 12:2)
(German language--Dictionaries--Russian)
(Electric engineering--Dictionaries)

GOROKHOV, P.K.

Some problems in the development of television. Vop.ist.est.i tekh. no.10:144-148 '60. (MIRA 14:3)
(Television)

GOROKHOV, Petr Kuz'mich; AKKERMAN, D.A., red.; PLAKSHE, L.Yu., tekhn. red.

[Russian-German radio engineering dictionary] Russko-nemetskii radiotekhnicheskii slovar'. Moskva, Glav. red. inostr. nauchno-tekhn. slovarei Fizmatgiza, 1961. 390 p. (MIRA 14:9)
(Russian language—Dictionaries—German language)
(Radio—Dictionaries)

GOROKHOV, P.K.

Early history of present-day television. Radiotekhnika 16 no.6:70-79 Je '61. (MIRA 14:6)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi.
(Television)

GINZBURG, M.L.; GOROKHOV, P.K.; GEYLER, L.B., prof., doktor tekhn. nauk; SHISHKIN, S.V.; AKKERMAN, D.A., red.; PLAKSHE, L.Yu., tekhn. red.

[German-Russian electrical engineering dictionary]Nemetsko-russkii elektrotekhnicheskii slovar. Izd.2., stereotipnoe. Moskva, Fizmatgiz, 1962. 1089 p. (MIRA 15:10)
(Electric engineering--Dictionaries)
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GOROKHOV, Petr Kuz'mich; LEPESHINSKAYA, Ye.V., red.; AKSEL'ROD, I.Sh., tekhn. red.

[French-Russian radio engineering dictionary] Frantsuzsko-russkii radiotekhnicheskii slovar'. Izd.2. Moskva, Fizmatgiz, 1963. 383 p. (MIRA 16:7)
(Radio--Dictionaries)
(French language--Dictionaries--Russian language)
(Russian language--Dictionaries--French language)

GOROKHOV, Petr Kuz'mich; MIRIMANOV , R.G., red.; MANOLE, M.G., red.; ROZHKO, K.M., red.-leksikograf; PLAKSHE, L.Yu., tekhn. red.

[French-Russian dictionary on radio electronics] Frantsuzsko-russkii slovar' po radioelektronike. Moskva, Fizmatgiz, 1963. 440 p. (MIRA 17:2)

GOROKHOV, Petr Kuz'mich

[B.L.Rozing, the founder of electronic television]
Rozing - osnovopolozhnik elektronnogo televideniia.
Moskva, Izd-vo "Nauka," 1964. 117 p. (MIRA 17:6)

GOROKHOV, Petr Kuz'mich; PANKIN, A.V., red.

[Russian-German radio engineering dictionary] Russko-nemetskii radiotekhnicheskii slovar'. Izd.2., ispr. Moskva, Sovetskaia entsiklopediia, 1965. 405 p. (MIRA 18:6)

GOROKHOV, P.K., kand.tekhn. nauk; GOR'KOVA, V.I., kand. tekhn. nauk; PAVLOV, L.I., kand. tekhn. nauk; SERGEYEV, N.P.; TAREYEV, B.M., doktor tekhn. nauk, prof.; SHMOTKIN, I.S.; KURBATOVA, N.S. kand. tekhn. nauk, prof., red.; CHESKIS, Z.B., red.

[French-Russian electrical engineering dictionary] Frantsuzsko-russkii elektrotekhnicheskii slovar'. Pod red. N.S.Kurbatovoi i B.M.Tareeva. Moskva, Sovetskaia entsiklopediia, 1965. 720 p. (MIRA 18:12)

DOLIN, Ye.A.; GOROKHOV, P.K. (Moskva)

RL three-pulley band knife cutting machine. Shvein.prom. no.6:11-13 N-D '61. (MIRA 14:12)
(Clothing industry--Equipment and supplies)

KURUASHOVA, Valentina Anatol'yevna; TOMFEL'D, Leonid Pavlovich; GOROKHOV, P.N., inzh., retsenzent; KOSTYUKOVSKIY, M.A., inzh., red.; KALININ, V.K., inzh., red.; GROMOV, Yu.V., tekhn. red.

[Inspection and maintenance of the electrical machinery of electric rolling stock]Osmotr i tekushchii remont elektricheskikh mashin elektropodvizhnogo sostava. Moskva, Transzheldorizdat, 1962. 102 p. (MIRA 15:11)
(Electric railway motors--Maintenance and repair)

GOROKHOV, P.V.; BABKOV, V.P.

Fulfillment of the established plan by all enterprises is the basis of the creation of the material and technical base of communism. Ugol' 38 no.9:3-4 S '63.
(MIRA 16:11)

1. Upravlyayushchiy trestom Kalininugol' Donetskogo soveta narodnogo khozyaystva (for Gorokhov). 2. Glavnyy inzhener tresta Kalininugol' Donetskogo soveta narodnogo khozyaystva (for Babkov).

GOROKHOV, S.

Pledge of highway transport workers of Voronezh Province. Avt. transp. 38 no.2:43-44 F '60. (MIRA 13:6)

1. Instruktor promyshlenno-transportnogo otdela Voronezhskogo obkoma Kommunisticheskoy partii Sovetskogo Soyuza.
(Voronezh Province--Transportation, Automotive)

L 8146-66 EWT(m)/EWP(b)/EWP(t) IJP(c) JD/JG/JW

ACC NR: AP5027208 SOURCE CODE: UR/0078/65/010/011/2477/2483

AUTHOR: Fridman, Ya. D.; Moshkina, V. A.; Gorokhov, S. D.; Nitsevich, E. A.

ORG: None

TITLE: Formation and thermal decomposition of yttrium fluoride and carbonate

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 11, 1965, 2477-2483

TOPIC TAGS: fluoride, carbonate, yttrium compound, thermal decomposition, sodium compound

ABSTRACT: A study was made of the reaction of yttrium fluoride with sodium carbonate in the temperature interval from 150 to 900 C, and of the thermal decomposition of yttrium fluoride and carbonate. The reaction was studied by thermogravimetric and thermographic methods. In the thermogravimetric investigations, weighed amounts of the salts were mixed in a platinum crucible and held in a muffle furnace at a given temperature to constant weight (from 15 to 25 hrs). The decomposition products were analyzed and their composition determined. The thermographic investigations were made in a Kurnakov pyrometer using platinum-platinum rhodium thermocouples. Weighed portions of the salts

Card 1/3 UDC: 546.643'161+546.643'264

0902-022

(0.5-1.0 grams) were mixed in a sliver crucible into which the junctions of the thermocouples were inserted directly. The heating time to the maximum temperature was 3-5 hours. Results showed that yttrium carbonate dissociates in the temperature interval 155-700 C according to the following scheme:

$$Y_2(CO_3)_3 \cdot 3H_2O \xrightarrow{155^\circ C} Y_2(CO_3)_3 \xrightarrow{250-400^\circ C} Y_2O_3 \cdot 0{,}2CO_2 \xrightarrow{400-700^\circ C} Y_2O_3$$

Yttrium fluoride dissociates in the temperature interval 450-800 C according to the scheme:

$$YF_3 \xrightarrow{450-650^\circ C} YOF \xrightarrow{650-800^\circ C} Y_2O_3$$

with the formation of intermediate products. Results of the reaction of yttrium fluoride with sodium carbonate permit the deduction that in the temperature interval 550-700 C the reaction in the system corresponds to the overall equation:

$$2YF_3 + 3Na_2CO_3 = Y_2O_3 + 6NaF + 3CO_2$$

L 8146-66

ACC NR: AP5027208 O

In the temperature interval 800-850 C, with an excess of sodium carbonate, Na_2CO_3 reacts with yttrium oxide with the probable formation of compounds with the composition $NaYO_2$. Orig. art. has: 10 figures and 5 tables.

SUB CODE: GC, IC/ SUBM DATE: 21Apr64/ ORIG REF: 008/ OTH REF: 003

jw

Card 3/3

FRIDMAN, Ya.D.; MOSHKINA, V.A.; GOROKHOV, S.D.; NITSEVICH, E.A.

Formation and thermal dissociation of yttrium fluoride and carbonate. Zhur. neorg. khim. 10 no.11:2477-2483 N '65. (MIRA 18:12)

1. Submitted April 21, 1964.

GOROKHOV, Sergey Fedorovich; MIKLASHEVSKAYA, A.V., otv. red.; DOLENKO, L.N., red.

[Nonlinear and parametric processes] Nelineinye i parametricheskie protsessy. Moskva, Redaktsionno-izdatel'skii otdel VZEIS. No.2. [A manual for the course "Theoretical principles of radio engineering" for students of the fourth course of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radiotekhniki" dlia studentov 4 kursa radiotekhnicheskikh fakul'tetov. 1963. 87 p. (MIRA 17:5)

GOROKHOV, S.S.

Stratigraphic position of the Arshinskoye series in the Tirlyanskiy region, Bashkir S.S.R. Dokl. AN SSSR 139 no.4:943-946 Ag '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universtitet im. M.V. Lomonosova. Predstavleno akademikom D.V. Nalivkinym.
(Tirlyanskiy region--Geology, Stratigraphic)

GOROKHOV, S.S.; RUDNIK, G.B.; SHARFMAN, V.S.

Age of ultrabasite intrusions of the Southern Urals. Dokl. AN SSSR 142 no.3:643-646 Ja '62. (MIRA 15:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom D.V.Nalivkinym.
(Ural Mountains--Petrology)

GOROKHOV, S. S.

Stratigraphy of the Late Pre-Cambrian in the Ural-Tau area of the middle Sakmara River in the Southern Urals. Izv. vys. ucheb. zav.; geol. i razv. 5 no.10:26-36 O '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

(Sakmara Valley—Geology, Stratigraphic)

GOROKHOV, S.S.

Riphean Karatau series of the eastern slope of the Bashkir anticlinorium and its analogues in the Ural-Tau. Vest.Mosk.-un.Ser.4:Geol. 17 no.4:41-49 Jl-Ag '62. (MIRA 15:9)

1. Kafedra istorishceskoy i regional'noy geologii Moskovskogo gosudarstvennogo universiteta.
(Bashkiria--Geology)

PETROVSKIY, A.D.; GOROKHOV, S.S.

Cambrian and Late Pre-Cambrian deposits of the Sakmara elevation in the Southern Urals. Dokl.AN SSSR 145 no.6:1369-1372 Ag '62. (MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut i Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom D.V.Nalivkinym.

(Ural Mountains—Geology, Stratigraphic)

GOROKHOV, S.S.; SHARFMAN, V.S.

Main Ural fault in the southern Urals. Dokl. AN SSSR 149 no.2: 388-391 Mr '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom D.V.Nalivkinym.
(Ural Mountain region--Faults (Geology))

GOROKHOV, S.S.; RAABEN, M.Ye.; otv. red.; PEYVE, A.V., akademik, glavnyy red.; KUZNETSOVA, K.I., red.; MENNER, V.V., red.; TIMOFEYEV, P.P., red.

[Riphean of the Uraltau Range.] Rifei khrebta Ural-Tau. Moskva Nauka, 1964, 135 p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no.124). (MIRA 18:3)

GOROKHOV, S.S.

Ancient series in the central zone of the Southern Urals and their reflection in the relief. Biul. MOIP. Otd.geol. 39 no.5:152-153 S-O '64. (MIRA 18:2)

GOROKHOV, V.; LEYBCHIK, S.

New tires for the "Moskvich" car. Za rul. 18 no.7:14-15 Jl '60.
(MIRA 13:10)

1. Glavnyy konstruktor Moskovskogo shinnogo zavoda (for Gorokhov).
2. Rukovoditel' sektora proyektirovaniya shin Moskovskogo shinnogo zavoda (for Leybchik).
(Automobiles--Tires)

GOROKHOV, V.

Work practices at the laboratory of the Kulomzino Grain Receiving Station. Muk.-elev. prom. 26 no.10:8-10 O'60. (MIRA 13:10)

1. Zaveduyushchiy laboratoriyey Kulomzinskogo khlebopriyemnogo punkta.
(Grain--Analysis)

S/194/62/000/007/071/160
D295/D308

9,1160

AUTHOR: Gorokhov, V.A.

TITLE: Operation of a photodiode under rectifier operating conditions

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-3-86 k (In collection: Poluprovodnik. pribory i ikh primeneniye, no. 7, M., Sov. radio, 1961, 67 - 76)

TEXT: The operation of a photodiode under rectifier operating conditions differs from photo-diode operation by the low level of noise and by the absence of dark current in the load. The general photodiode equation and an equivalent circuit are used to calculate the dependence of photo current on the value of the light signal, dark current, load resistance and temperature. The author analyzes operating conditions giving maximum power in the load as well as operating conditions with constant illumination. The limits of linearity of the photodiode with respect to light flux, and the value of optimum load for obtaining maximum power from the photodiode

Card 1/2

Operation of a photodiode under ... S/194/62/000/007/071/160
D295/D308

are determined. On the basis of relations obtained for the case of operation of the photodiode with constant illumination, conclusions are deduced regarding the efficiency of transformer coupling between photodiode and load. Experiments confirm the correctness of the relations derived. 4 references. [Abstracter's note: Complete translation.]

Card 2/2

S/058/62/000/006/052/136
A061/A101

AUTHOR: Gorokhov, V. A.

TITLE: The principal interrelations in phototransistors

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 25, abstract 6G215 (In collection: "Poluprovodnik. pribory i ikh primeneniye". no. 7, Moscow, Sov. radio, 1961, 77 - 102)

TEXT: The mechanism of phototransistor operation has been examined. Equations have been obtained for the phototransistor currents, permitting the phototransistor sensitivity to be determined in different circuit diagrams. The possibility of fabricating phototransistors with illuminated emitter and collector zone is considered. Their advantages are noted. Interrelations between physical parameters and sensitivity of phototransistors are presented. The drawbacks of present alloyed phototransistor designs are shown and ways of eliminating them are recommended. Inertial processes in phototransistors are analyzed.

[Abstracter's note: Complete translation]

Card 1/1

GOROKHOV, V.A.

AID - P-252

Subject : USSR/Aeronautics

Card : 1/1

Authors : Gorokhov, V., Major, Engineer, and Ryabenko, B., Lt. Engineer

Title : Repair of Fuel Tanks

Periodical : Vest. vozd. flota, 6, 64-66, Je 1954

Abstract : The author indicates the procedure of fuel tank repair in the most frequent cases of damage. Diagrams.

Institution : None

Submitted : No date

GOROKHOV, V. A.

AID P - 1816

Subject : USSR/Aeronautics

Card 1/1 Pub. 35 - 11/18

Authors : Kichin, N., Eng. Col. and Gorokhov, V., Eng. Major

Title : Use of paints for the detection of surface cracks

Periodical : Vest. voz. flota, 3, 58-60, Mr 1955

Abstract : The author compares the method of crack detection by application of paints with other methods, such as the magnetic and luminescent, which are at present commonly used in repair units. He lists the advantages of the paint method, describes the defectoscope, and gives some details of its use. Photos

Institution: None

Submitted : No date

GOROKHOV, V. A.

AID P - 1851

Subject : USSR/Aeronautics

Card 1/1 Pub. 135 - 12/18

Authors : Gorokhov, V., Eng. Maj. and Khar'kovskiy, S., Major of the Tech. Service

Title : New method of repair of deformations in the aircraft covering

Periodical : Vest. voz. flota, 4, 63-65, Ap 1955

Abstract : The authors describe this method which consists of filling the depressions with a special paste, V-77. Ingredients are given.

Institution : None

Submitted : No date

Gorokhov, V. A.

86-58-5-34/38

AUTHOR: Gorokhov, V. A., Engr Maj

TITLE: Repair of Kerosene Drop Tanks (Remont podvesnykh kerosinovykh bakov)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 5, pp 83-84 (USSR)

ABSTRACT: The article describes how to repair metal kerosene drop tanks by a simpler method suggested by M/Sgt P. A. Grigor'yev. There is one diagram.

AVAILABLE: Library of Congress

1. Containers - Maintenance

Card 1/1

17.6000

S/141/62/005/006/020/023
E140/E435

AUTHOR: Gorokhov, V.A.

TITLE: On the effect of mass of oscillating ground upon vibro-ramming

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika. v.5, no.6, 1962, 1220-1232

TEXT: This is a continuation of earlier work by various authors (Inzhen. sb., 16, 1963, 13; Inzhen. sb., 19, 1954, 55; Izv. vyssh. uch. zav.- Radiofizika, 3, 1960, 130). A theoretical study of two simple solutions of the vibro-ramming problem is carried out both for continuous sliding and for regime without sliding. The so-called conditions of loosing the pile as well as the expression of vibro-immersion velocity under the regime without slide and the limits of the solution existence are found. By means of an electronic analog the vibro-immersion velocities versus the external force frequency and the load are obtained. There are 8 figures.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom universitete (Physicotechnical Scientific Research Institute at Gorkiy University)

SUBMITTED: April 16, 1962

Card 1/1

L 19674-65 EWT(1)/EWG(k)/EEC(k)-2/T/EEC(b)-2/EWA(h) Pm-4/Pz-6/Peb
IJP(c)/RAEM(a)

ACCESSION NR: AR4046136 S/0275/64/000/008/A030/A030

SOURCE: Ref. zh. Elektronika i yeye primeneniye. Svodnyy tom, Abs. 8A199

AUTHOR: Gorokhov, V. A.

TITLE: Principles of designing the circuits with photodiodes and phototransistors for recording small luminous signals

CITED SOURCE: Sb. Poluprovodnik pribory i ikh primeneniye. Vyp. 10, M., Sov. radio, 1963, 277-298

TOPIC TAGS: photodiode, phototransistor

TRANSLATION: Methods are given for designing dc photodiode and phototransistor circuits. The design formulas were experimentally verified on Ge alloy photodiodes with a sensitivity of 10--20 ma/lm and on phototransistors with a gain 10--20 and a sensitivity of 0.25--0.5 amp/lm. In designing the above circuits, an allowance was made for the effect of dc operating conditions upon the photodevices' parameters. The operating stability depends on the temperature, which determines the [illegible] currents of n-p junctions, and on the illumination. Voltage stability is substantially enhanced by using a circuit in which the photodiode is transformer-coupled to the load. For reading data from punch tapes and punch cards, a

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L 19674-65

ACCESSION NR: AR4046136

photoelectric circuit with a "potential output" capable of operating on a low luminous signal is used. Under variable temperature and illumination conditions, it is expedient to use a working photodiode and a load photodiode connected in series. A circuit with a selective emitter-base connection has a maximum output resistance and stability for variable illumination and has a minimum dark current. In recording very low luminous signals, internal noise in photodiodes and phototransistors limiting their sensitivity thresholds becomes important. In this case, the circuits should be aligned for the effective value of the output signal, photodiodes should be used as rectifiers, and phototransistors should have a selective emitter-base coupling. Bibliography: 10 titles.

SUB CODE: EC ENCL: 00

Card 2/2

GOROKHOV, V.A.

Equations of the currents of a four-layer structure.
Radiotekh. i elektron.9 no.11:2057-2058 N '64.
(MIRA 17:12)

GOROKHOV, V.A.; GARSHENIN, V.V.

Spontaneous switching phenomena in four-layer diodes. Radiotekh. i elektron. 11 no. 2:364-367 F '66 (MIRA 19:2)

1. Submitted January 4, 1965.

ACC NR: AT6022358 SOURCE CODE: UR/0000/66/000/000/0057/0069

AUTHOR: Gorokhov, V. A.

ORG: none

TITLE: Transition processes when cutting off thyristors

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya poluprovodnikovykh priborov. Doklady, Moscow, 1966, 57-69

TOPIC TAGS: electronic switch, thyristor, transition ~~process~~ probability

ABSTRACT: Transition processes that take place when thyristors are cut off are studied on the basis of a method developed for four-layer charge structure. The three possible ways of shutting off thyristors are studied: 1) reduction of the anode current, 2) change of anode polarity, and 3) application of a cut off pulse to the control base. The time during which charge in the two bases (p and n) is reduced to a given level is equal to the cut-off time. Experimental studies of D-235 thyristors showed that the end junction of the thin base (n-type) either cuts off or conducts for a brief interval at the beginning of the transition process. This is related to redistribution of charge in the thin base. The presence of inductance in the load results in a large reverse voltage overload during the transition which may cause break-throughs in the end junctions of the transistor. In general, the anode current remains unchanged

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ACC NR: AT6022358

until the central junction is pulled out of saturation. Orig. art. has: 22 formulas and 4 figures.

SUB CODE: 09/ SUBM DATE: 05Apr66/ ORIG REF: 004

Card 2/2

ACC NR: AT6022359 SOURCE CODE: UR/0000/66/000/000/0069/0076

AUTHOR: Gorokhov, V. A.; Koshelyayev, G. V.; Tulunkin, G. P.

ORG: none

TITLE: Photosensitive semiconductor capacitors (photovaricaps)

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya poluprovodnikovykh priborov. Doklady. Moscow, 1966, 69-76

TOPIC TAGS: photosensitivity, electronically variable capacitor, varicap, semiconductor device

ABSTRACT: Several uses of semiconductor photosensitive capacitors, photovaricaps, for amplification of weak photocurrents are given. The use of photovaricaps in a circuit that indicates shifts of weak light rays and a switching circuit triggered by light is also given. Two types of photoamplifiers are discussed; in both of them temperature changes of the photovaricap capacitance are eliminated by interrupting the light beam that is amplified. The first type has a low interruption frequency (20 cps); it uses FDK-1 photovaricaps made from gallium arsenide and is capable of amplifying photocurrents of 5×10^{-12} a with a good signal-to-noise ratio. The second type has a high interruption frequency (2 kc); it also uses FDK-1 photovaricaps and is capable of amplifying photocurrents of 2×10^{-11}A with a signal-to-noise ratio of 10. The operating thresholds for either state (on and off) of the light-triggered switching circuit are equal to 0.4×10^{-3}lm; the circuit uses FDK-1 photovaricaps, and germanium and

Card 1/2

ACC NR: AT6022359

silicon photodiodes. Orig. art. has: 5 figures.

SUB CODE: 09/ SUBM DATE: 05Apr66/ ORIG REF: 006/ OTH REF: 004

Card 2/2

GOROKHOV, V. A.

USSR/Engineering - Welding

"Mechanization and Automatization of Welding Processes for Frames and Meshwork of Reinforced Concrete," N. Ye. Nosenko, V. A. Gorokhov, Engineers

"Avtogen Delo" No 4, pp 4-7 -1951

Reviews briefly application of welding for joining concrete reinforcements in the USSR relating 1st attempts in this direction to 1937. Considering resistance spot welding as most efficient method of fabricating meshed wire for reinforced concrete, describes several welding machines used for that purpose, giving their tech characteristics.

PA 197T34

GOROKHOV, V. A.

USSR/Metallurgy - Welding, Nichrome Jul 52

"Welding Nichrome of KhN78T Type," V.A. Parfenov, Cand Tech Sci, V. A. Gorokhov, Engr

"Avtogen Delo" No 7, pp 7-10

Studies quality of welds obtained by oxyacetylene and elec-arc methods. Discusses results of various tests, such as metallographic examn of welded zones, chem analysis of welded metal, hardness test of welds, tensile test, long-term heat resistance, and thermal endurance. Welding rods of 3 grades were used with coating made of chalk, TiO_2, ferromanganese, W, and Ti.

233T36

B Met (1)

Metallurgical Abst.
Vol. 21 Apr. 1954
Joining

*Soldering of Aluminium and Its Alloys with Hard Solders. V. A. Gorokhov (*Avtog. Delo*, 1953, **24**, (1), 20–23).—[In Russian]. Tensile, metallographic, and corrosion tests were performed with Al and Al alloy parts soldered with a hard solder contg. Cu 28, Si 6, and Al 66% (m.p. 525° C.), using a flux contg. LiCl 32, NaF 10, $ZnCl_2$ 8, and KCl 5% (m.p. 420° C.). The strength of the soldered parts was found to be satisfactory, and breaking of the specimens did not occur (with one exception) at the soldered joint. Metallographic examination showed mutual interdiffusion of the solder and the alloy, and atmospheric corrosion did not affect the strength of the soldered specimens. The method can be used for repairing of Al tanks, tubes, and casings.—S. K. L.

GOROKHOV,V.A., inzhener-mayor

Should 30KhGSA steel parts undergo heat treatment after welding?
Svar.proizv. no.9:21-22 S'55. (MLRA 8:11)
(Steel castings--Welding) (Steel--Heat treatment)

GOROKHOV, V.A.

Brazing with heat-resistant brazes. V. A. Gorokhov and M. I. Skripov. *Vestnik Mashinostroeniya* 35, No. 7, 47–51 (1955).—Two brazes used were Cu-base alloys m. 1040–1100° and 960–1000°; the third had a Ni base and m.p. of 1200–1225°. Their compn. was not given. The flux employed consisted of 80% H_3BO_3, 14% borax, 5.5% CaF_2, and 0.5% Al-Cu-Mg alloy. Specimens of Ya1T steel and of Kh-N78T alloy were lap brazed with an oxyacetylene torch, those of steel being heated at 600° for 4–200 hrs. and those of the alloy at 700° for 2–14 hrs. Results of metallographic study, of intercryst. corrosion detn., creep strength measurement, and of fatigue strength detn. are given. J. D. Gat

(1)

AID P - 4873

Subject : USSR/Engineering

Card 1/1 Pub. 107-a - 7/14

Author : Gorokhov, V. A.

Title : Properties of joints welded and soldered with the KhN78T alloy.

Periodical : Svar. proizv., 4, 17-18, Ap 1956

Abstract : The author describes experimental research on welded and soldered KhN78T alloy supplementarily alloyed with molybdenum, aluminum and niobium. The results obtained are illustrated and two practical suggestions given. One photo (3 microstructures), 2 graphs and one table.

Institution : None

Submitted : No date

GOROKHOV, V.A.

p.2

PHASE I BOOK EXPLOITATION SOV/5232

Brodskiy, A.Ya., ed.

Payka nerzhaveyushchikh staley i zharoprochnykh splavov (Brazing of Stainless Steels and Heat-Resistant Alloys) Moscow, 1959. 51 p. 5,000 copies printed. (Series: Moskovskiy Dom nauchno-tekhnicheskoy propagandy. Peredovoy opyt proizvodstva. Seriya: Progressivnaya tekhnologiya mashinostroyeniya, vyp. 18)

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Resp. Reviewer for This Publication: L. M. Garmash; Tech. Ed.: R.A. Sukhareva.

PURPOSE: This collection of articles is intended for brazers.

COVERAGE: The collection contains three articles discussing general problems encountered in brazing. The joining of thin-walled pipes and the importance of flame brazing are given special attention. No personalities are mentioned. There are no references.

Card 1/2

...nless Steels (Cont.)

TABLE OF CONTENTS: SOV/5232

12.6000

S/141/62/005/006/020/023
E140/E435

AUTHOR: Gorokhov, V.A.

TITLE: On the effect of mass of oscillating ground upon vibro-ramming

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika. v.5, no.6, 1962, 1220-1232

TEXT: This is a continuation of earlier work by various authors (Inzhen. sb., 16, 1963, 13; Inzhen. sb., 19, 1954, 55; Izv. vyssh. uch. zav.- Radiofizika, 3, 1960, 130). A theoretical study of two simple solutions of the vibro-ramming problem is carried out both for continuous sliding and for regime without sliding. The so-called conditions of loosing the pile as well as the expression of vibro-immersion velocity under the regime without slide and the limits of the solution existence are found. By means of an electronic analog the vibro-immersion velocities versus the external force frequency and the load are obtained. There are 8 figures.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom universitete (Physicotechnical Scientific Research Institute at Gorkiy University)

SUBMITTED: April 16, 1962

Card 1/1

[illegible] EWT(1)/EWG(k)/EEC(k)-2/EEC(b) [illegible]

[illegible]

AUTHOR: [illegible]okhov, V. K.

TITLE: Equivalent circuits and parameters of photodiodes and phototransistors

SOURCE: Sb. Poluprovodnik. pribory i ikh [illegible], [illegible] 1963, 244-276

TOPIC TAGS: photodiode, phototransistor

TRANSLATION: Equivalent circuits are considered of a photodiode and a phototransistor as active 2-pole networks, whose active element is dependent on the [illegible] flux. The equivalent circuit at low frequency can be represented as a [illegible] generator connected to an output resistance in parallel with a load. The [illegible] parameters of the above photodevices -- [illegible] and output resistance -- are determined. A physical equivalent circuit of the phototransistor at low frequency is constructed in the form of a T-network with active elements. [illegible] transistor parameters in a "coupled"-base circuit are determined. Dependence of parameters on the operating conditions and ambient temperature is found. The

Card 1/2

L 19680-65 AT
ACCESSION NR: 4046137

d-c operating conditions depend on the circuit, the uncontrolled saturation current of the p-n junction, and on the illumination. The dark current of a photodiode grows with temperature, from 5—10 microamp at [illegible] the dark current of a photo[illegible]

[illegible] microamp at [illegible]

[illegible] resistance [illegible]

[illegible] frequencies, an output capacitance [illegible]

[illegible] should be [illegible]

SUB CODE: EC

ENCL: 00

Card 2/2

SOLOV'YEV, A.I., otv. red.; PROZOROVSKIY, N.A., doktor geograf. nauk, red.; DEMENT'YEV, G.P., doktor biolog. nauk, red.; MAKAROV, V.N., red.; GOROKHOV, V.A., red.; GOLOVKO, I.G., red.; MAL'CHEVSKIY, G.N., red. kart; KOSMELEVA, S.M., tekhn. red.

[National preserves of the U.S.S.R.] Zapovedniki SSSR. Moskva, Gos. izd-vo geogr. lit-ry. Vol.2. 1951. 385 p. (MIRA 14:7)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Solov'yev). 2. Vitse-prezident Vserossiyskogo obshchestva okhrany prirody (for Makarov). 3. Glavnoye upravleniye po zapovednikam pri Sovete Ministrov RSFSR (for Gorokhov).
(National parks and reserves)

GOROKHOV, V. A.

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